DOCUMENT RESUME

ED 225 551 IR 010 558

TITLE	Trailblazers, 1981-1982. An Annual Publication of Project PEP (Providing Equitable Participation) in Title IV B, ESEA, P.L. 93-380 for the Nonpublic Schools in the State of Missouri.
INSTITUTION	CEMREL, Inc., St. Louis, Mo.
SPONS AGENCY	Department of Education, Washington, DC.
PUB DATE	Aug 82
NOTE	55p.
PUB TYPE	Reports - Descriptive (141)
EDRS PRICE	MF01/PC03 Plus Postage.
DESCRIPTORS	Annual Reports; *Demonstration Programs; Elementary Secondary Education; Enrichment Activities; *Instructional Improvement; *Instructional Materials; *Private Schools; *Program Descriptions; Program Effectiveness; Resource Allocation; Supplementary Reading Materials
IDENTIFIERS	*Missouri

ABSTRACT

In this annual report to the nonpublic participant schools of Project PEP (Providing Equitable Participation), 39 exemplary instructional improvement programs written by the schools are described. Schools were encouraged to make long-range improvement plans by focusing on acquisition of Title IV-B supplementary instructional materials and library resources for students and curriculum areas showing the greatest need, and each program contains a rationale for needing the supplementary materials, an objective to be achieved, a plan for using the materials in the instructional program, and a plan for evaluating the degree to which the objective was reached. This booklet was designed to encourage schools to contact each other for additional information, as the programs described suggest models for other schools desiring to write instructional improvement programs. Part I provides brief descriptions of the 1981-82 projects in 12 categories: reading, science, math, social studies, language, study skills, library, art/music, map skills, computer, health, and other topics. Each project is explained with a 1-page format, showing target topic, grade level, target site, type of school, school name, contact person(s), school data, target group objectives, methods and materials used, and results. The second section presents statistical data on the growth of the project and its status through the 1981-82 school year, some data on 1982-83, and a map of service regions. (LMM)

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T R A I L B L A Z E R S

1981-1982

An Annual Publication

of

PROJECT PEP

(Providing Equitable Participation)

in

Title IV B, ESEA, P.L. 93-380

for the

Nonpublic Schools in the State of Missouri

CEMREL, Inc.
St. Louis, MO

August, 1982

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PREFACE

This volume of Title IV B *Trailblazers* is the fourth edition, covering the 1981-'82 school year, designed as an annual report to the participant nonpublic schools throughout the State of Missouri.

As the PEP Staff has indicated in previous publications, the choice of the title *Trailblazers* and the use of the coonskin cap on the cover of this publication were carefully chosen. Missouri has a long pioneering history. From its early days as a headquarters for westward expansion, and as home for Daniel Boone's administration of the Louisiana Territory, to its innovative and creative institutions in today's modern world, Missouri has been a forerunner in many fields.

In this fourth year of the project, the *Trailblazing* spirit remains. Four hundred and fifty-three (453) nonpublic schools representing 111,017 students took part in the IV B projects.

This volume represents successful projects of participating schools during the 1981-'82 school year. As the experience level grows, it is anticipated that the projects will continue to be better each year providing Missouri nonpublic school students with even more opportunities to blaze trails in their educational experience.

We of the PEP Staff encourage you to read the projects your peers have designed and to take their experience and success into account in your own plans as you meet identified needs of students in your school.

The Project Staff is delighted to have had the opportunity to work with you (nonpublic educators) in efforts to provide equitable participation in this program to the students in your schools.

The spirit of mutual trust and respect for each other's dedication and ability in providing an educational experience to all the students of the state have made the project work. It is the same *Trailblazing* spirit of cooperation and mutual concern which moved our nation westward that makes a project such as this one work and work well.

This publication is heartily dedicated to the administrators, teachers, and those individuals who have served as contact persons for the PEP Title IV B Project.

This publication was supported in whole or in part by the Department of Education. However, the opinions expressed herein do not necessarily reflect the position or policy of the Department, and no official endorsement by the Department of Education should be inferred.

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PART I

BRIEF DESCRIPTION OF EXEMPLARY PROJECTS

The first section (Part I) of this publication provides brief descriptions of exemplary 1981-'82 school-year instructional improvement programs under Project PEP - Title IV B in Missouri. The purpose of the brief remarks that follow is to describe the process used to select this year's exemplary programs.

Based on favorable response to previous publications of *Trailblazers*, this publication also features a wide cross section of projects in different subject areas. To provide examples of the numerous possibilities for projects, Project PEP Staff selected a total of 39 exemplary projects in 12 categories of subject areas, including an "other topics" ("at large") category. The 12 categories are as follows, with the number of exemplary projects described within that category shown in parentheses: reading (8); science (4); mathematics (8); social studies (2); language (4); study skills (3); library (1); art/music (2); map skills (2); computer (2); health (1); and other topics ("at large") (2).

The number of selections within each category corresponds rather closely with the proportion of projects in that particular category. During the 1981-'82 school year, there was a total of 664 target topics among the 453 participating schools. Of the 664 target topics, the percentage under each category that selections were made for this publication were as follows: reading (includes remedial and recreational reading and reading enrichment) = 23 percent; science = 10 percent; mathematics = 13 percent; social studies = seven percent; language = eight percent; study skills = four percent; library skills = seven percent; art/music = six percent; map skills = four percent; computer = four percent; health = two percent; and other topics = 12 percent.

Criteria in addition to subject areas that were considered in making the selection were clarity of initial program description, relationship of one's

evaluation plan to the objective(s) cited, degree of match between one's final project evaluation and the initial or revised objectives, and the reported success of program implementation. Considerations related to the last criterion must be addressed. Exemplary programs were not selected on the basis of high evaluations alone. All of the other criteria were also considered. On a ten-point evaluation scale with ten as the highest possible rating, a project with a five-point rating may have been selected over one with a ten-point rating, if the project with the lower rating were exceptional by the other criteria used in making the selections.

The Project PEP staff encourages you to call the school and ask the principal/contact person for more information about a specific project described in this or other *Trailblazers* publications. We also encourage you to call the Project PEP office for additional suggestions for design and materials for a particular Target Group program you may want to write.

TARGET TOPIC: Reading

GRADE LEVEL: K-1

TARGET SIZE: 25

TYPE OF SCHOOL: K-8

NAME OF SCHOOL: Corpus Christi District School
2100 Switzer Avenue
Jennings, MO 63136

CONTACT PERSON(S): Catherine Welsh, Principal
Susan Federspiel, Teacher *or*
Pat Heidbreder, Teacher
Telephone No.: (314) 388-0468

SCHOOL DATA: Corpus Christi District School, located in Jennings in St. Louis County, is an elementary school with 218 students.

TARGET GROUP OBJECTIVES:

After attending a workshop the kindergarten teacher implemented a technique that appeared appropriate for enhancing the pre-reading skills of kindergarten students and reading skills of first-graders. In a pilot study the teacher found the students eager to try the new approach called *"Success."* The stated objective was to increase the vocabulary of kindergarten and first-grade students and to increase their attention span during silent reading time.

METHODS AND MATERIALS USED:

Title IV B funds were used to purchase dictionaries, word books and high interest story books for children on the K-1 levels. Sixty-four high-interest level books and "*first dictionaries*" were purchased from Follett Library Book Service. Books included the "*Little Monster*" series, "*Richard Scarrys*" series, and "*Charlie Brown*" series. These materials were used together with word charts to stimulate interest in vocabulary and reading. At various intervals (planned weekly) the amount of reading time was measured for kindergarten and first-grade students.

RESULTS:

Targeted kindergarten students increased their average reading time from two minutes at the beginning of the school year to eight and one-half minutes at the end. The teacher reported that the picture identification skills and basic vocabulary of these students had been strengthened. First graders increased their silent recreational reading attention span from 10 minutes to 30-45 minutes. They also achieved a class mean score of 84th percentile rank on the National Standard Vocabulary Examination.

This school gave its Title IV B Project in Reading a rating of "8."

Additional information, specific materials used, further clarification, and details concerning adoption of the above-mentioned project is available from Project PEP, CEMREL, Inc., 3120 59th Street, St. Louis, MO 63139. Telephone: (314) 781 2900.

TARGET TOPIC: Reading (Enrichment)

GRADE LEVEL: 1-5

TARGET SIZE: 21

TYPE OF SCHOOL: K-5

NAME OF SCHOOL: Faith Lutheran School
1820 S. Baltimore
Kirksville, MO 63501

CONTACT PERSON(S): Dr. Mark Appold, Pastor
Telephone No. (816) 665-6122

SCHOOL DATA: Faith Lutheran, located in Kirksville in Adair County, is an elementary (K-5) school with an enrollment of 29 students.

TARGET GROUP OBJECTIVES:

Teachers at Faith Lutheran use the "*Language Experience*" approach to reading which encourages readings based upon student interest. Teachers viewed their reading materials as inadequate in meeting the interests and needs of the students. Teachers also observed a reluctance on the part of students to read independently. The stated objective was to increase the number of books read by targeted students and to have these students feel more positive about selecting books independently.

METHODS AND MATERIALS USED:

Title IV B funds were used to select books appropriate for the reading levels and interests of the targeted students. A wide selection of books on plant, and animal life, health, and other topics were obtained primarily from Follett Library Book Company and also from 17 additional publishers. Silent sustained reading time, as well as in class reading time, was provided for the students. All students kept records of the number of books read. Teachers observed the attitudes of students in selecting materials independently.

RESULTS:

Twenty-one students read a total of 428 books during 1981-'82, compared with 220 books that those same students read the year before. These figures reflect a 95 percent increase in the total number of books that were read by the same students from one year to the next. Every student increased the number of books that she/he read. The most dramatic changes occurred among the six and seven-year old students.

This school gave its Title IV B Project in Reading Enrichment a rating of "8."

Additional information, specific materials used, further clarification, and details concerning adoption of the above-mentioned project is available from Project PEP, CEMREL, Inc., 3120 59th Street, St. Louis, MO 63139. Telephone: (314) 781 3900.

TARGET TOPIC: Reading (Recreational)

GRADE LEVEL: 3 and 4

TARGET SIZE: 112

TYPE OF SCHOOL: K-8

NAME OF SCHOOL: Green Park Lutheran School
4248 Green Park Road
St. Louis, MO 63125

CONTACT PERSON(S): Edgar Schlimpert, Principal
Telephone No.: (314) 544-4248

SCHOOL DATA: Green Park Lutheran School is located in Mehlville in the Southern area of Metropolitan St. Louis and serves 476 students in grades K-8.

TARGET GROUP OBJECTIVES:

At least 50 percent of the third and fourth-graders were expected to increase their reading comprehension scores by a 1.2 grade placement over the school year by reading a variety of recreational selections.

METHODS AND MATERIALS USED:

The school chose books containing literature appropriate to grades 3 and 4 which they felt contained "*good*" literature. Students were exposed to the new selections in a "*touch-n-see*" session before the books were shelved or placed on mobile carts for use in the classroom. During the "*touch-n-see*" session, students sat on the outside of a large circle made with the new books. When a signal was given, each student picked up the book in front of him/her and thumbed through the book. Given another signal, students rotated to the next new book until they had the opportunity to examine each new book and learn a small bit of information about each book. Teachers take the students to the library for bi-weekly visits in addition to allowing them to select books from the mobile carts in the classroom.

RESULTS:

Attainment of the objective was measured by comparing the results of the Reading Comprehension Section of the Stanford Achievement Test at the end of this school year with the results from the previous school year. Such comparison showed that 56 of the Target Group gained the proposed 1.2 grade level of growth over the school year.

This school gave its Title IV B Project in Recreational Reading a rating of "8."

Additional information, specific materials used, further clarification, and details concerning adoption of the above-mentioned project is available from Project PEP, CEMREL, Inc., 3120 59th Street, St. Louis, MO 63139. Telephone: (314) 781 2900.

TARGET TOPIC: Reading (Enrichment)

GRADE LEVEL: 5

TARGET SIZE: 17

TYPE OF SCHOOL: K-8

NAME OF SCHOOL: Holy Innocents School
4926 Reber Place
St. Louis, MO 63139

CONTACT PERSON(S): Sister Agnes M. Keena, Principal
Telephone No.: (314) 771-2188

SCHOOL DATA: Holy Innocents, located in the City of St. Louis, is an elementary school with an enrollment of 178 students.

TARGET GROUP OBJECTIVES:

Administrators and teachers observed a need among fifth graders for supplementary reading materials. These students ranged from the 17th percentile rank to the 99th percentile rank on standardized reading tests. Teachers also observed a lack of student interest in and enthusiasm for outside reading, lack of interest in checking out books from the library, and poor book reports. The stated objective was to have each targeted student read at least one book per month and to have students at the 85th percentile rank or better in reading to read at least two books per month.

METHODS AND MATERIALS USED:

Title IV B funds were used to purchase library books which appeal to a broad range of interests and reading levels. Complete units of books on *"Animals,"* *"Adventure and Suspense,"* and *"Frontiers"* were purchased. These books were made available to students in the classrooms at all times. Each day 15 minutes was set aside for silent reading time for the students. During that time, teachers helped students to discover books to meet their interests and reading levels.

RESULTS:

Targeted students significantly surpassed the project objective at Holy Innocents. Each student read a minimum of two books a month and submitted book reports that were creative, interesting, and full of enthusiasm.

This school gave its Title IV B Project in Reading Enrichment a rating of "8."

Additional information, specific materials used, further clarification, and details concerning adoption of the above-mentioned project is available from Project PEP, CEMREL, Inc., 3120 59th Street, St. Louis, MO 63139. Telephone: (314) 781 2900.

TARGET TOPIC: Reading (Recreational)

GRADE LEVEL: 5 and 6

TARGET SIZE: 7

TYPE OF SCHOOL: 1-8

NAME OF SCHOOL: Holy Rosary School
620 S. Main Street
Monroe City, MO 63456

CONTACT PERSON(S): Sister Martha M. Jaegers, Principal
Telephone No.: (314) 735-2422

SCHOOL DATA: Holy Rosary School, located in Monroe City in Monroe County, is an elementary school with an enrollment of 163 students.

TARGET GROUP OBJECTIVES:

Reading scores of students in grades 5 and 6 on SRA achievement tests had been lower than teacher expectations. Teachers estimated that about one-sixth of the students in grades 5 and 6 were reluctant readers. The stated objective was to have targeted students in those two grades begin to enjoy reading and to read at least one book per month.

METHODS AND MATERIALS USED:

Title IV B funds were used to purchase library books with titles and reading levels that appeal to reluctant readers. A minimum of two 20-minute free reading periods were held weekly during the school year. Each targeted student was expected to keep a log of books read and a checklist of the level of enjoyment associated with reading each book (e.g. "*very little*," "*fair*," "*pretty much*," "*a lot*"). Sports and other human interest books were purchased from Golden Press, and mystery and adventure series were obtained from Educational Reading Services.

RESULTS:

All but one targeted student read at least one book per month. The student who did not achieve the goal was viewed as not wanting to be considered a reader but was "*caught*" several times with excellent reading materials nonetheless.

This school gave its Title IV B Project in Recreational Reading a rating of "9."

Additional information, specific materials used, further clarification, and details concerning adoption of the above-mentioned project is available from Project PEP, CEMREL, Inc., 3120 59th Street, St. Louis, MO 63139. Telephone: (314) 781 2900.

TARGET TOPIC: Reading

GRADE LEVEL: 2

TARGET SIZE: 10

TYPE OF SCHOOL: 1-8

NAME OF SCHOOL: Lutheran School Association
204 Butterfield Trail
Cole Camp, MO 65325

CONTACT PERSON(S): Mr. Arlin J. Bauer, Principal
Telephone No.: (816) 668-4614

SCHOOL DATA: Lutheran School Association, located in Cole Camp in Benton County, is an elementary school with an enrollment of 83 students.

TARGET GROUP OBJECTIVES:

Based upon their own observations and scores of the Standard Evaluation Tests, teachers viewed students as needing help with basic reading skills, especially decoding skills. The stated objective was to have second-grade students show an improvement in reading skills, particularly decoding skills, by scoring at or above grade level on the Houghton Mifflin Standard Evaluation Tests.

METHODS AND MATERIALS USED:

Title IV B funds were used to establish a listening center so that small groups of students could learn the sounds of letters and words, the meanings of words, and the relationships between words in an interesting manner. A "*Cassette Recorder*" and a "*Listening Center*" were purchased from Audio Visual Educational Systems and dictionaries and books of fairy tales were obtained from Troll Associates. Targeted students met in small groups under the guidance of a teacher for one-half hour each day for six weeks to achieve the objectives discussed previously.

RESULTS:

Seventy-five percent of the targeted students showed a marked improvement in basic reading skills according to the scores on the Houghton Mifflin Standard Evaluation Tests. The class mean increased from 82 percent to 88.5 percent of the items correct on the standardized tests.

This school gave its Title IV B Project in Reading a rating of "7."

Additional information, specific materials used, further clarification, and details concerning adoption of the above-mentioned project is available from Project PEP, CEMREL, Inc., 3120 59th Street, St. Louis, MO 63139. Telephone: (314) 781 2900.

TARGET TOPIC: Reading (Enrichment)

GRADE LEVEL: 1-3

TARGET SIZE: 176

TYPE OF SCHOOL: K-8

NAME OF SCHOOL: St. Elizabeth School
14 West 75th
Kansas City, MO 64114

CONTACT PERSON(S): Mr. Dan Walsh, Principal
Telephone No.: (816) 523-7100

SCHOOL DATA: St. Elizabeth, located in Kansas City and Jackson County, is an elementary school with an enrollment of 524 students.

TARGET GROUP OBJECTIVES:

Through teacher observation and/or mastery skills testing, it was determined that students were deficient in reading comprehension skills in grades 1-3. The stated objective was to increase the reading scores of students in grades 1-3 by 10 months between pretests (fall, 1981) and posttests (spring, 1982).

METHODS AND MATERIALS USED:

Reading kits, record players, records, and other reading aids were purchased with Title IV B funds. *"Study Mats,"* a *"Guiness Book Set,"* and *"Reading Quizzes Filmstrips"* were purchased from the Society for Visual Education. *"Panasonic Cassette Recorders"* and record players, a listening center, *"Learning Centers,"* and a *"Creature Teachers Set"* were also purchased.

RESULTS:

Eighty-five percent of the targeted students achieved at least the expected 10-month increase in achievement level in reading. Thirty percent of this group showed an increase of 15 months or more in their achievement level.

This school gave its Title IV B Project in Reading Enrichment a rating of "8."

Additional information, specific materials used, further clarification, and details concerning adoption of the above-mentioned project is available from Project PEP, CEMREL, Inc., 3120 59th Street, St. Louis, MO 63139. Telephone: (314) 781 2900.

TARGET TOPIC: Reading

GRADE LEVEL: 1 and 2

TARGET SIZE: 42

TYPE OF SCHOOL: K-8

NAME OF SCHOOL: St. Joseph Croatian School
2122 South 12th Street
St. Louis, MO 63104

CONTACT PERSON(S): Sister Wilfreda Kern, ASC, Principal
Telephone No.: (314) 664-2602

SCHOOL DATA: St. Joseph Croatian School, located in the City of St. Louis, is an elementary school with an enrollment of 152 students.

TARGET GROUP OBJECTIVES:

Due to the large numbers of students in grades 1 and 2, there was insufficient time to listen to the students read orally for a specific period of time each day. The stated objective was to have students in grades 1 and 2 read orally each day and manifest: (1) a mastery of the basic vocabulary words and (2) an improvement in the ability to read well orally.

METHODS AND MATERIALS USED:

Title IV B funds were used to purchase ten sets of *"Special Practice Reading Books"* from Scott, Foresman and Company. Small groups of targeted students in grades 1 and 2 read orally to each other daily for a 15-minute period, using supplementary readers. As students completed a supplementary reader, a teacher-made test was administered to each child to assess progress made in vocabulary-building and the ability to read orally.

RESULTS:

Teacher-made tests were administered twice weekly in March, April, and May. These tests were passed by 15 out of 17 first graders and were passed by 11 of the 12 second graders. The supplementary reading materials were viewed by teachers as having been very beneficial to the vast majority of students.

This school gave its Title IV B Project in Supplementary Reading a rating of "10."

Additional information, specific materials used, further clarification, and details concerning adoption of the above-mentioned project is available from Project PEP, CEMREL, Inc., 3120 59th Street, St. Louis, MO 63139. Telephone: (314) 781 2900.

TARGET TOPIC: Science (Chemistry)

GRADE LEVEL: 10-12

TARGET SIZE: 76

TYPE OF SCHOOL: 7-12

NAME OF SCHOOL: John Burroughs School
755 South Price Road
St. Louis, MO 63124

CONTACT PERSON(S): Mr. Edward W. Cissel, Principal
Telephone No. (314) 993-4040

SCHOOL DATA: John Burroughs School, located in Ladue in St. Louis County, has an enrollment of 549 students in grades 7-12.

TARGET GROUP OBJECTIVES:

Accurate and precise measurements in the chemistry laboratory have been major objectives of the chemistry program at this school. Chemistry teachers noted an error rate of approximately 10 percent in quantitative chemical measures prior to the Title IV B project. The stated objective was that students enrolled in chemistry courses would reduce error rates to within three percent of accuracy on quantitative measures.

METHODS AND MATERIALS USED:

Title IV B funds were used to purchase an *"Ainsworth Balance"* for electronic measurement. Chemistry students regularly used this instrument for their chemical measurements.

RESULTS:

For the synthesis of SnO_2 the experimental error was 1.35 percent for 60 students. For the mass - mass relationship of Fe to Cu the experimental error was 1.6 percent for 56 students. With the use of the electronic measuring device there was a substantial decrease in errors from previous years.

This school gave its Title IV B Project in science a rating of "10."

Additional information, specific materials used, further clarification, and details concerning adoption of the above-mentioned project is available from Project PEP, CEMREL, Inc., 3120 59th Street, St. Louis, MO 63139. Telephone: (314) 781 2900.

TARGET TOPIC: Science

GRADE LEVEL: 9 and 12

TARGET SIZE: 50

TYPE OF SCHOOL: Special: 4-12

NAME OF SCHOOL: Missouri Military Academy
204 Grand Street
Mexico, MO 65265

CONTACT PERSON(S): Mrs. Marilyn Hamilton, Librarian
Telephone No.: (314) 581-1773

SCHOOL DATA: The Missouri Military Academy, located in the city of Mexico in Audrain County, is a special purpose school with an enrollment of 322 students in grades 4-12.

TARGET GROUP OBJECTIVES:

Science teachers noted a lack of equipment to simulate: (1) wave motion, (2) falling bodies, (3) projectiles, and (4) optical instruments. Also, the recent North Central evaluation at this school recommended the use of more visual aids. The stated objective was to increase class discussions and create more interest in science among the students through the use of filmstrips.

METHODS AND MATERIALS USED:

Title IV B funds were used to purchase filmstrips on such topics as optics, gravity, and waves sound. The purchased materials included: *"Fundamental Concepts 'Optics' Cassette," "Fundamental Concepts 'Gravity' Cassette," "Quantum Theory: Particles and Waves Sound Filmstrip"* and related program guides, all from Learning Arts. Filmstrips were shown in the ninth-grade Physical Science and the twelfth-grade Physics classes. Behavioral objectives and trimester tests were developed and/or revised to reflect the emphasis upon information gained from the filmstrips and upon discussion of scientific topics.

RESULTS:

Filmstrips and motion pictures were used as a practical way to simulate wave motion, falling bodies, projectiles, etc. A wider range of scientific content was presented and discussions of scientific topics were stimulated.

This school gave its Title IV B Project in Science a rating of "9."

Additional information, specific materials used, further clarification, and details concerning adoption of the above-mentioned project is available from Project PEP, CEMREL, Inc., 3120 59th Street, St. Louis, MO 63139. Telephone: (314) 781 2900.

TARGET TOPIC: Science

GRADE LEVEL: 6-8

TARGET SIZE: 66

TYPE OF SCHOOL: K-8

NAME OF SCHOOL: Mount Providence School for Boys
8351 Florissant Road
Normandy, MO 63121

CONTACT PERSON(S): Sister M. Dorothy Kiel, C.D.P., Principal
Telephone No. (314) 524-3803

SCHOOL DATA: Mount Providence, located in Normandy in St. Louis County, is an elementary school with an enrollment of 178 students.

TARGET GROUP OBJECTIVES:

Science teachers reported that their teaching schedules often conflicted with the wealth of knowledge KETC's instructional services have offered to students in grades 6-8. The stated objective was to make better use of the one TV/9 membership by recording appropriate programs and making them available for science enrichment.

METHODS AND MATERIALS USED:

Title IV B funds were used to purchase a video recorder. A *"Panasonic PV 3200 Portable VCR"* and *"TDK T-120 Video Tapes"* were obtained. Selected science programs of KETC were video-recorded and additional teacher-made tapes were developed. The tapes were then topically integrated into the science curriculum. KETC video tapes or teacher-made ones were used in science classes approximately one 30-minute period per week.

RESULTS:

Recent events such as the Mt. St. Helena volcanic eruption and various space program launchings were video-taped for use in the science classes. Tapes that have been developed are kept in the school's science library. The science program for the current year and for future years has been enriched.

This school gave its Title IV B Project in Science a rating of "9."

Additional information, specific materials used, further clarification, and details concerning adoption of the above-mentioned project is available from Project PEP, CEMREL, Inc., 3120 59th Street, St. Louis, MO 63139. Telephone: (314) 781 2900.

TARGET TOPIC: Science

GRADE LEVEL: 4

TARGET SIZE: 32

TYPE OF SCHOOL: K-8

NAME OF SCHOOL: St. John Francis Regis
8945 James A. Reed Road
Kansas City, MO 64138

CONTACT PERSON(S): Sister M. Therese McManus, BVM, Learning Center Coordinator *or*
Sister M. Thomasita Ross, BVM, Teacher
Telephone No.: (816) 763-5837

SCHOOL DATA: St. John Francis Regis, located in Kansas City and Jackson County, is an elementary school with an enrollment of 322 students.

TARGET GROUP OBJECTIVES:

The science teacher observed a need for enrichment material both to enhance the targeted students' understanding and appreciation of science and to stimulate their imagination. The stated objective was to improve students academic performances on science tests including standardized tests.

METHODS AND MATERIALS USED:

Title IV B funds were used to purchase a filmstrip projector and science filmstrips. A *"Dukane Micromatic II Model Filmstrip Projector and Cassette Player"* and six sets of filmstrips were purchased. Science filmstrips were used to supplement other materials in teaching units on human growth and development, animal characteristics, plant life, and various physical science topics.

RESULTS:

Targeted students did very well on teacher-made tests on topics related to the filmstrips. Ninety percent of the students scored in the 80 to 100 percent accuracy range on tests that were based on filmstrip-related material.

This school gave its Title IV B Project in Science Enrichment a rating of "9."

Additional information, specific materials used, further clarification, and details concerning adoption of the above-mentioned project is available from Project PEP, CEMREL, Inc., 3120 59th Street, St. Louis, MO 63139. Telephone: (314) 781 2900.

TARGET TOPIC: Mathematics

GRADE LEVEL: 3, 4, and 7

TARGET SIZE: 45

TYPE OF SCHOOL: 1-8

NAME OF SCHOOL: Good Shepherd School
P. O. Box 115
Hillsboro, MO 63050

CONTACT PERSON(S): Mrs. Anna Chance, Principal
Telephone No. (314) 789-2300

SCHOOL DATA: Good Shepherd School, located in Hillsboro in Jefferson County, is an elementary school with an enrollment of 100 students.

TARGET GROUP OBJECTIVES:

The school staff examined standardized test scores and concluded that more time, effort, and materials needed to be devoted to math for grades 3, 4, and 7. Also, supplementary materials were needed for remedial math in grades 1 and 2. The stated objective was to increase math mean scores by one grade level for targeted students (grades 3, 4, and 7) by spring, 1982.

METHODS AND MATERIALS USED:

Math supplementary materials were purchased with Title IV B funds. These supplemental math materials included 14 different math references, lessons, and guides from the *"Duncan Math"* series published by Houghton Mifflin Co. Each student received a supplementary math book emphasizing basic skills to complement the more theoretical texts that were being used. The supplementary math materials provided exercises for daily practice in developing basic math skills.

RESULTS:

Targeted students achieved more than one grade level of growth in math on the standardized test that was used. Third graders increased their math scores by 13 months; fourth graders increased their scores by 12 months; and seventh graders increased their scores by 18 months.

This school gave its Title IV B Project in Math Enrichment a rating of "8."

Additional information, specific materials used, further clarification, and details concerning adoption of the above-mentioned project is available from Project PEP, CEMREL, Inc., 3120 59th Street, St. Louis, MO 63139. Telephone: (314) 781 2900.

TARGET TOPIC: Mathematics
(Time and Money Concepts)

GRADE LEVEL: Primary

TARGET SIZE: 8

TYPE OF SCHOOL: 1-8 Special School LD/ED

NAME OF SCHOOL: Marillac Center for Children
310 West 106th Street
Kansas City, MO 64114

CONTACT PERSON(S): Deborah A. Kneib, Teacher *or*
Robert Brown, Executive Director
Telephone No.: (816) 941-9700

SCHOOL DATA: Marillac Center for Children, located in Kansas City in Jackson County, serves 50 ED/LD students from the Kansas City area.

TARGET GROUP OBJECTIVES:

Diagnostic testing and teacher observation indicated the need to help students acquire better application skills for telling time and using money. The goal was set for the primary students in the Target Group to be able to apply the concepts of time and money in practical situations at least 80 percent of the time.

METHODS AND MATERIALS USED:

The *"Systems 80 - Time and Money Series"* was used three times weekly by the Target Group students as a supplement to teacher instruction.

RESULTS:

The Target Group reached the projected goal as measured by machine testing and teacher observation. The teacher reports the *"Borg-Warner Systems 80 - Time and Money Series"* was found to be a valuable tool in teaching and strengthening these basic skills.

This school gave its Title IV B Project in Time and Money Concepts a rating of "10."

Additional information, specific materials used, further clarification, and details concerning adoption of the above-mentioned project is available from Project PEP, CEMREL, Inc., 3120 59th Street, St. Louis, MO 63139. Telephone: (314) 781 2900.

TARGET TOPIC: Mathematics (Enrichment)

GRADE LEVEL: 8

TARGET SIZE: 12

TYPE OF SCHOOL: K-8

NAME OF SCHOOL: Most Precious Blood School
3701 Union Road
St. Louis, MO 63125

CONTACT PERSON(S): Mrs. Louise Bieg, Principal
Telephone No. (314) 892-5349

SCHOOL DATA: Most Precious Blood School, located in Mehlville in St. Louis County, is an elementary school with an enrollment of 245 students.

TARGET GROUP OBJECTIVES:

Math teachers noted that students with high math ability scores had weaknesses in the Algebra Skills Section of the high school placement tests. Teachers felt that there was a need to supplement the eighth-grade math program with Beginning Algebra. The stated objective was that at least 90 percent of the students in advanced math would achieve higher math scores than those achieved by the advanced math students the year before.

METHODS AND MATERIALS USED:

Title IV B funds were used to purchase Algebra I books to supplement the math text that was being used by the eighth-grade class. These supplemental books were used on a daily basis to assist students with high above average math ability scores.

RESULTS:

Among the 12 targeted eighth-grade students, seven scored 2.0 to 2.8 years above grade equivalent expectancy of 8.5. All of the targeted students scored above the tenth-grade level.

This school gave its Title IV B Project in Math Enrichment a rating of "10."

Additional information, specific materials used, further clarification, and details concerning adoption of the above-mentioned project is available from Project PEP, CEMREL, Inc., 3120 59th Street, St. Louis, MO 63139. Telephone: (314) 781 2900.

TARGET TOPIC: Mathematics
(Math Enrichment)

GRADE LEVEL: 8

TARGET SIZE: 18

TYPE OF SCHOOL: K-8

NAME OF SCHOOL: Our Lady of the Presentation
8840 Tudor Avenue
St. Louis, MO 63114

CONTACT PERSON(S): Madonna Atwood, Principal
Telephone No.: (314) 428-8191

SCHOOL DATA: Our Lady of the Presentation, located in the Ritenour Public School District in St. Louis County, is an elementary school with an enrollment of 197 students.

TARGET GROUP OBJECTIVES:

The more capable math students in the eighth grade requested an enrichment program involving the study of algebra. The teacher noted a tremendous interest in this topic area by the students, but also noted a definite lack of adequate supplementary material to make the program feasible. The stated objective was that targeted students would achieve a minimum 85 percent accuracy on all work completed.

METHODS AND MATERIALS USED:

Title IV B funds were used to purchase supplemental algebra books. The math teacher identified eighth-grade students who scored one year or more above grade level in mathematics on the Stanford Achievement Tests. The selected students participated in an algebra enrichment program three times a week for 30 minutes each session. In addition, the teacher devoted a half hour of free time each week to meeting the needs of individual students of the Target Group. The Target Group completed the assigned packets which included pretests and posttests, a study of theory from the Houghton Mifflin supplementary algebra text, required assignments and worksheets, and one extra credit project.

RESULTS:

The math teacher reported that "...students have done beautifully on all work and tests. Entrance tests to high school also showed an amazing amount of above-level achievement in mathematics." Students achieved 90 percent accuracy on all their required work.

This school gave its Title IV B Project a rating of "10."

Additional information, specific materials used, further clarification, and details concerning adoption of the above-mentioned project is available from Project PEP, CEMREL, Inc., 3120 69th Street, St. Louis, MO 63139. Telephone: (314) 781 3900.

TARGET TOPIC: Mathematics

GRADE LEVEL: 6-9

TARGET SIZE: 92

TYPE OF SCHOOL: K-8

NAME OF SCHOOL: St. Dismas School
1220 Paddock
Florissant, MO 63033

CONTACT PERSON(S): Barbara Winkelmann, Teacher
Telephone No.: (314) 869-0947

SCHOOL DATA: St. Dismas, located in Florissant in St. Louis County, is an elementary school with an enrollment of 233 students.

TARGET GROUP OBJECTIVES:

Stanford Achievement Test scores and teacher observations indicated a need to improve conceptual and applied skills in the sixth grade and junior high math classes. Teachers further observed a lack of knowledge among students in the use of hand-held calculators, protractors, and compasses. The stated multi-faceted objective was to increase student confidence in solving word problems, have students to use the problem-solving kit and work sheets to develop critical thinking, and have students to use the hand-held calculators, protractors, and compasses more skillfully.

METHODS AND MATERIALS USED:

Title IV B funds were used to purchase a math kit, hand-held calculators, protractors, and compasses. Hand-held calculators were used throughout the school year with calculator exercises in the student text and with the problem-solving kit to eliminate the boredom and frustration of lengthy calculations, placing more emphasis on math concepts. Hand-held calculators also were used with advanced eighth-grade students in solving trigonometric ratios in the last quarter of the school year. Hand-held calculators were used by a small group of slower-paced students to strengthen their computational skills and to foster a successful experience with math computations.

RESULTS:

Students increased their skills in the use of hand-held calculators, protractors, and compasses. Teachers also observed that targeted students attacked word problems with more confidence.

This school gave its Title IV B Project in Math a rating of "9."

Additional information, specific materials used, further clarification, and details concerning adoption of the above-mentioned project is available from Project PEP, CEMREL, Inc., 3120 59th Street, St. Louis, MO 63139. Telephone: (314) 781 2900.

TARGET TOPIC: Mathematics

GRADE LEVEL: K-3

TARGET SIZE: 284

TYPE OF SCHOOL: K-8

NAME OF SCHOOL: St. Joseph Elementary School
555 St. Joseph Lane
Manchester, MO 63011

CONTACT PERSON(S): Sister Joan DiProspere, Principal
Telephone No.: (314) 391-1253

SCHOOL DATA: St. Joseph School, located in Manchester in St. Louis County, is an elementary school with an enrollment of 284 students.

TARGET GROUP OBJECTIVES:

Teachers were dissatisfied with progress in mathematics in grades 1-4 and felt that varied reinforcement of skills using manipulatives, audio-visuals, and individualized materials would aid student progress. The stated objective was that students would exhibit an increase in interest and enthusiasm in mathematics and that 90 percent of the students would show an improvement from pretests to posttests.

METHODS AND MATERIALS USED:

Title IV B funds were used to purchase manipulatives, audio-visuals, and individualized math materials. These included: *"Numbers and Numerals All in a Row"* (filmstrips and cassettes) from Eye Gate Media, Inc.; hands-on math games, kits, and geometric items from Educational Teaching Aids; a *"Dukane Sound Filmstrip Projector;"* and *"Schoolhouses"* (for math), *"Listening Labs,"* and *"Computapes"* from SRA. Audio-visuals and manipulative materials were used in total group instruction and in reinforcement activities for small groups. Individualized materials were used to aid students to progress at their own pace.

RESULTS:

Almost 100 percent of the targeted students (K-3) in mathematics showed progress as assessed by the posttest.

This school gave its Title IV B Project in Mathematics a rating of "9."

Additional information, specific materials used, further clarification, and details concerning adoption of the above-mentioned project is available from Project PEP, CEMREL, Inc., 3120 59th Street, St. Louis, MO 63139. Telephone: (314) 781 3900.

TARGET TOPIC: Mathematics

GRADE LEVEL: Ungraded

TARGET SIZE: 15

TYPE OF SCHOOL: Special

NAME OF SCHOOL: St. Mary's Special School
5341 Emerson Avenue
St. Louis, MO 63120

CONTACT PERSON(S): Sister Susan Renner, Principal
Telephone No.: (314) 261-8533

SCHOOL DATA: St. Mary's Special School, located in the City of St. Louis, is an ungraded school with an enrollment of 120 students.

TARGET GROUP OBJECTIVES:

Informal testing, data from a teacher-made checklist, and teacher observations indicated that some of the primary students were deficient in addition and subtraction skills. The stated objective was that 75 percent of the targeted group of EMR students who were functioning at the first-grade level would achieve a minimum grade point average of 1.6 as measured by the Standard Achievement Primary I Test by the spring of 1982.

METHODS AND MATERIALS USED:

Title IV B funds were used to purchase math kits, activity guides, and related supplementary materials. These materials included games, puzzles, drills, and related supplemental materials from Shick Supply and Equipment Company. These materials were used approximately once per week by targeted students as independent activities at the listening and manipulative learning centers in their classroom.

RESULTS:

Only 20 percent of the targeted students achieved the objective of reaching the 1.6 grade level on the Stanford Achievement Primary I Test. However, the teacher was highly satisfied with the improvement in the daily functioning in math of the targeted students. The teacher concluded that the standardized test that was used was not very appropriate for EMR students and that the daily functioning of these students was a better measure of progress.

This school gave its Title IV B Project in Math a rating of "7."

Additional information, specific materials used, further clarification, and details concerning adoption of the above-mentioned project is available from Project PEP, CEMREL, Inc., 3120 59th Street, St. Louis, MO 63139. Telephone: (314) 781 2900.

TARGET TOPIC: Mathematics
(Metric Measurements)

GRADE LEVEL: 4

TARGET SIZE: 27

TYPE OF SCHOOL: K-8

NAME OF SCHOOL: St. Matthias School
800 Buckley Road
St. Louis, MO 63125

CONTACT PERSON(S): Barbara A. Hummel, Principal *or*
Geraldine Pitti, Teacher
Telephone No.: (314) 867-0196

SCHOOL DATA: St. Matthias School, located in the Mehlville Public School District in St. Louis County, is an elementary school with an enrollment of 259 students.

TARGET GROUP OBJECTIVES:

The fourth-grade teacher had been unable to accomplish many of the activities involving measuring units in the math book because of a lack of measuring materials. Also the fourth grade was viewed as an appropriate place to begin emphasizing the use of metric materials because the growth of students could be followed over the other elementary school grades. The stated objective was to have at least 90 percent of the fourth-grade students to achieve teacher-stipulated mastery of metrics by the end of the school year.

METHODS AND MATERIALS USED:

Title IV B funds were used to purchase a "*Hardware Metre Rule*," "*Litre Cans*," "*Measurement Kit*," "*Pull-Spring Scales*," and an assortment of graduated cylinders from Fisher Scientific Company. Students used the various measuring tools to learn the concepts of distance and length, volume, weight, and temperature changes. The instruments of measurement were used concurrently with the math series.

RESULTS:

On the posttest that was used to evaluate the gains that the students made in metric measurement, 92 percent of the students (24 students) were rated by the teacher as having done "*very well.*" Only two students (eight percent) did poorly. The fourth-grade students also helped to teach the second graders how to perform metric measurements.

This school gave its Title IV B Project a rating of "10."

Additional information, specific materials used, further clarification, and details concerning adoption of the above-mentioned project is available from Project PEP, CEMREL, Inc., 3120 59th Street, St. Louis, MO 63139. Telephone: (314) 781 2900.

TARGET TOPIC: Social Studies

GRADE LEVEL: 9-12

TARGET SIZE: 555

TYPE OF SCHOOL: 9-12

NAME OF SCHOOL: St. Joseph's Academy
2307 South Lindbergh
St. Louis, MO 63131

CONTACT PERSON(S): Sister Louise Michele Sommer, Principal
Telephone No.: (314) 965-7205

SCHOOL DATA: St. Joseph's Academy is a secondary school, located in the Ladue Public School District in St. Louis County, with an enrollment of 55 students.

TARGET GROUP OBJECTIVES:

The teachers felt that a multi-media approach beginning in the ninth grade would help students in subsequent social studies courses gain a better awareness of the global community and also improve their scores on the college bound tests. The stated objective was that 85 percent of all social studies students in grades 9, 11, and 12, would show an improvement in their ability to read and interpret maps, globes, and charts and would have a better awareness of the world regions; and targeted students would reflect these gains by scoring 80 percent or better on a posttest.

METHODS AND MATERIALS USED:

A filmstrip projector, filmstrips, maps, kits and other supplemental social studies materials were purchased with Title IV B funds. These materials included *"World Issues"* filmstrip series from SRA; two series of *"markable and kleenable"* maps from The George F. Cram Company, Inc.; *"Map Competency"* sound filmstrip series from Social Studies School Service. *"American Decades"* filmstrip and cassettes series from Educational Record Sales; and a *"Dukane Micromatic II Projector."* These maps, world atlases, filmstrips, duplicated materials, and cassette packets were incorporated into classroom activities. Map games, worksheets, and other classroom exercises were used to enhance the social studies knowledge and skills of the students.

RESULTS:

Students in grades 11 and 12 did achieve at least an 80 percent mastery on the teacher-made tests covering the material that was presented.

This school gave its Title IV B Project in Social Studies a rating of "6" for the ninth grade (World History) and a rating of "5" for the eleventh and twelfth grades.

Additional information, specific materials used, further clarification, and details concerning adoption of the above-mentioned project is available from Project PEP, CEMREL, Inc., 3120 59th Street, St. Louis, MO 63139. Telephone: (314) 781 2900.

TARGET TOPIC: Social Studies
(Human Relations and Growth)

GRADE LEVEL: 9-12

TARGET SIZE: 174

TYPE OF SCHOOL: 9-12

NAME OF SCHOOL: St. Louis Prep Seminary-North
3500 St. Catherine
Florissant, MO 63033

CONTACT PERSON(S): Mr. Chris Seibel, Chairperson, English Department
Telephone No.: (314) 831-3066

SCHOOL DATA: St. Louis Prep Seminary-North, located in Florissant in St. Louis County, is a special-purpose secondary school with an enrollment of 174 students.

TARGET GROUP OBJECTIVES:

Teachers observed that students were relatively unaware of themselves and others as developing human beings and how this development affects their personal values, decisions, and judgments based on those values. In addition, as a result of this unawareness, students sometimes appeared intolerant of themselves and others in the school community. The stated objective was to increase student tolerance of themselves and others.

METHODS AND MATERIALS USED:

Title IV B funds were used to purchase filmstrips, cassettes, and other materials on human relations and growth (developmental stages). Filmstrips on various cultures of the world were purchased from Educational Audio Visual, Inc., and cassettes on the *"Eight Stages of Growth"* were obtained from Human Relations Media. Filmstrips were presented to various segments of the student body on *"Open Days"* (every ninth day of the teaching cycle). Viewings were followed by group discussion.

RESULTS:

Teachers observed a significant change in student behavior and attitudes. The filmstrips and discussions that were devoted to the *"Open Days"* appeared to contribute to the achievement of the objective, although further gains in more tolerant behavior continues to be worked toward.

This school gave its Title IV B Project on Human Relations and Growth a rating of "9."

Additional information, specific materials used, further clarification, and details concerning adoption of the above-mentioned project is available from Project PEP, CEMREL, Inc., 3120 59th Street, St. Louis, MO 63139. Telephone: (314) 781 2900.

TARGET TOPIC: Language (Language Arts)

GRADE LEVEL: 1-4

TARGET SIZE: 118

TYPE OF SCHOOL: 1-8

NAME OF SCHOOL: Immaculate Conception
6 West State Street
Union, MO 63084

CONTACT PERSON(S): Sister Blanche Rausch, Principal
Telephone No.: (314) 583-2641

SCHOOL DATA: Immaculate Conception, located in Union in Franklin County, is an elementary school with an enrollment of 249 students.

TARGET GROUP OBJECTIVES:

Teacher observations and classroom tests indicated that students in grades 1-4 needed greater assistance in the areas of language and spelling. The stated objective was that at least 80 percent of the students in grades 1-4 would achieve 80 percent mastery on teacher-made tests in language arts.

METHODS AND MATERIALS USED:

Title IV B funds were used to purchase vocabulary kits, a listening kit, a filmstrip projector, and other language arts materials. Specifically, the following were obtained: *"Vocabulary Skills Program"* (for grades 1-4) and *"New Goals in Listening"* from Educational Reading Services; *"Thinking Boxes I and II"* from Benefic Press; and a *"Dukane Filmstrip Projector."* The teachers then used skill cards, practice sheets, and filmstrips to focus on the development of language skills.

RESULTS:

Eighty-five percent of the first-grade students scored above teacher-stipulated mastery on teacher-made language arts tests. All of the second graders achieved teacher-stipulated mastery in this subject area; 87 percent of the third graders scored at or above teacher-stipulated mastery; and all of the fourth graders achieved teacher-stipulated mastery.

This school gave its Title IV B Project in Language Arts a rating of "8."

Additional information, specific materials used, further clarification, and details concerning adoption of the above-mentioned project is available from Project PEP, CEMREL, Inc., 3120 59th Street, St. Louis, MO 63139. Telephone: (314) 781 2900.

TARGET TOPIC: Language Arts
(Listening Skills)

GRADE LEVEL: 1-4

TARGET SIZE: 79

TYPE OF SCHOOL: 1-8

NAME OF SCHOOL: St. Joseph School
Box 205
Westphalia, MO 65085

CONTACT PERSON(S): Constance M. Reichert, Principal
Telephone No.: (314) 455-2339

SCHOOL DATA: St. Joseph School in Westphalia is located in Osage County and serves 175 students in grades 1-8.

TARGET GROUP OBJECTIVES:

St. Joseph School staff noted that upper grade students had difficulty listening and following directions. By concentrating on improving listening skills in the lower grades, the staff expected to see an improvement in student ability to follow directions. The objective set was for students in grades 1-4 to be able to follow directions and recall information given orally.

METHODS AND MATERIALS USED:

The teachers chose *New Goal in Listening* by Troll Associates to teach better listening skills. The teacher used the cassette tapes in this listening unit at least once weekly throughout one semester of the school year.

RESULTS:

St. Joseph School based their evaluation of improved listening skills on teachers' observations of students' ability to follow directions given orally. Teachers noted most improvement was among the slower students.

The Listening Target Group was given a "9" rating.

Additional information, specific materials used, further clarification, and details concerning adoption of the above-mentioned project is available from Project PEP, CEMREL, Inc., 3120 59th Street, St. Louis, MO 63139. Telephone: (314) 781 2900.

TARGET TOPIC: Language (Conversational French)

GRADE LEVEL: 10

TARGET SIZE: 142

TYPE OF SCHOOL: 9-12

NAME OF SCHOOL: St. Mary's High School
622 North Main Street
Independence, MO 64050

CONTACT PERSON(S): Darlyne LaGrece, Librarian
James Tompkins, Principal
Telephone No.: (816) 252-8733

SCHOOL DATA: St. Mary's Diocesan High School, located in Independence in Jackson County, serves 588 students in grades 9-12.

TARGET GROUP OBJECTIVES:

The goal of the Target Group program was to provide filmstrips and recordings of the French language spoken by native speakers in ordinary situations and to build interest and knowledge in French language and customs. The objective was for the student of French to be able to interpret practical conversational statements.

METHODS AND MATERIALS USED:

The teacher provided background information for the French classes and the students then listened to French sentences, repeating each sentence after hearing it. In turn, half of the class read sentences and the other half listened. The teacher also listened, corrected, and asked questions. The Title IV B benefits used by these classes included *"Living French"* recordings from Crown Publishing Company, which were used in conjunction with a cassette recorder and listening station.

RESULTS:

This Target Group project was rated highly successful. The French language teacher made tests with which to measure student growth and reports that students increased their knowledge of the French language and also showed increased enthusiasm for the development of the language.

This school gave its Title IV B Conversational French Target Group a rating of "9-10."

Additional information, specific materials used, further clarification, and details concerning adoption of the above-mentioned project is available from Project PEP, CEMREL, Inc., 3120 59th Street, St. Louis, MO 63139. Telephone: (314) 781 2900.

TARGET TOPIC: Language (Cognitive and Oral Language Development)

GRADE LEVEL: Ungraded

TARGET SIZE: 37

TYPE OF SCHOOL: Special

NAME OF SCHOOL: Sunshine Center
1020 W. Truman Road
Independence, MO 64050

CONTACT PERSON(S): Betty G. Snapp, Principal
Telephone No.: (816) 833-2088

SCHOOL DATA: Sunshine Center, located in Independence in Jackson County, is a special purpose school with an enrollment of 37 handicapped students.

TARGET GROUP OBJECTIVES:

The Cognitive and Language subparts of the Portage Guide to Early Education were used to identify low student achievement levels needing the greatest improvement. The stated objective was that three classrooms of handicapped students would achieve at least six additional skills in the areas of cognitive and language development based on their current level of functioning in each of these areas according to the Portage Guide Checklist.

METHODS AND MATERIALS USED:

Title IV B funds were used to purchase a kit that contains a set of lessons and materials designed to promote cognitive and oral language development. The kit titled *"Complete Peek Kit" ("Peabody Early Experience Kit"* with seven records*)* was purchased from the American Guidance Service. Teachers used the kit on a daily basis. Teacher aides also used the materials in individual teaching sessions with each child to reinforce information presented in the class setting. The Portage Guide to Early Education Checklist was used, and behaviors/skills in each of the development areas were recorded on a separate checklist for each child at the beginning of the program year. At the conclusion of the program, students were again evaluated to measure the achievement of the sequential skills that were targeted.

RESULTS:

At least 75 percent of the students in the three targeted classrooms demonstrated at least six additional skills in the areas of cognitive and language development when assessed with the Portage Guide to Early Education Checklist at the completion of the program.

This school gave its Title IV B Project in Language Arts a rating of "10."

Additional information, specific materials used, further clarification, and details concerning adoption of the above-mentioned project is available from Project PEP, CEMREL, Inc., 3120 59th Street, St. Louis, MO 63139. Telephone: (314) 781 2900.

TARGET TOPIC: Study Skills
(Listening Comprehension Skills)

GRADE LEVEL: Kdg.

TARGET SIZE: 26

TYPE OF SCHOOL: K-8

NAME OF SCHOOL: St. Gabriel School
4737 North Cleveland
Kansas City, MO

CONTACT PERSON(S): Katherine Willette, Vice Principal
Patricia Ford, Principal
Telephone No. (816) 453-4443

SCHOOL DATA: St. Gabriel School, located in North Kansas City, Jackson County, serves 186 students in grades K-8.

TARGET GROUP OBJECTIVES:

The kindergarten teachers had observed and then confirmed through prescreening that the kindergarten students needed to improve in their ability to listen, comprehend, and act on oral communications in the areas of reading readiness and mathematics. A goal was set for 90 percent of the kindergarten class to achieve at a greater than normal rate of growth in these skills.

METHODS AND MATERIALS USED:

The teachers provided listening comprehension experiences in the listening center in the kindergarten classroom three times weekly. *"Listening and Learning,"* and *"Listen and Do Records"* from Houghton; and *"Ready Go Alphabet,"* and *"Eye, Ear, Hand, Phonics Records"* from Kimbo were used with an *"Audio-tronics Record Player"* and headsets acquired with Title IV B funds.

RESULTS:

Eighty-three percent of the kindergarten class scored at least average or higher on listening comprehension skills. A combination of teacher's observation and evaluation and the language area score of the Metropolitan Readiness Test (MRT) were used to make this evaluation. The teacher rated the project as very successful in achieving an important goal.

St. Gabriel's School gave its Title IV B Project in Study Skills (Listening Comprehension Skills) a rating of "8."

Additional information, specific materials used, further clarification, and details concerning adoption of the above-mentioned project is available from Project PEP, CEMREL, Inc., 3120 59th Street, St. Louis, MO 63139. Telephone: (314) 781 2900.

TARGET TOPIC: Study Skills
(Listening Skills)

GRADE LEVEL: 4-6

TARGET SIZE: 68

TYPE OF SCHOOL: K-8

NAME OF SCHOOL: St. Paul's Lutheran
407 Main Street
Concordia, MO 64020

CONTACT PERSON(S): John Stahl, Media Director
Telephone No.: (816) 463-7654

SCHOOL DATA: St. Paul's Lutheran, located in Concordia in Lafayette County, is an elementary school with an enrollment of 195 students.

TARGET GROUP OBJECTIVES:

A close study of listening comprehension tests given at the end of the school year during the four previous years revealed that students in grades 1-3 had class averages between the sixth and seventh stanines on Listening Comprehension of the Stanford Achievement Test; whereas, students in grade four dropped to an average stanine of five and the same students did not regain average levels in the intermediate grades. The stated objective was that students in grades 4-6 would continue to make a full year's growth as measured by the scaled scores of the Stanford Achievement Test through the middle grades.

METHODS AND MATERIALS USED:

The following materials were purchased with Title IV B funds to accomplish the objective: *"Listening Language Laboratory"* from SRA; *"Deluxe Headphones;" "Troll Listening Lab: Listening and Thinking Skills"* and *"Graphs and Charts Skill Box;"* and *"Hi-C Here and Now Cassette Set."* These kits were used in grades 4-6 at least once each week throughout the school year. The heaviest emphasis was placed on grade four.

RESULTS:

According to the results reported, a year's growth on the Standard Scale Score of the Stanford Achievement Test of Listening Comprehension is 10 points. The composite results of all three grades was a growth of 13.2 points; grade four making an average gain of 2.8 points; grade five, 25.6 points; and grade six, 7.6 points.

This school gave its Title IV B Project in Listening Skills a rating of "8."

Additional information, specific materials used, further clarification, and details concerning adoption of the above-mentioned project is available from Project PEP, CEMREL, Inc., 3120 59th Street, St. Louis, MO 63139. Telephone: (314) 781 2900.

TARGET TOPIC: Study Skills
(Including Listening Skills)

GRADE LEVEL: 9 and 10

TARGET SIZE: 104

TYPE OF SCHOOL: 9-12

NAME OF SCHOOL: St. Vincent High School
210 South Water
Perryville, MO 63775

CONTACT PERSON(S): Sister Brigid O'Donahue, Head of the English Department
Telephone No.: (314) 547-4300

SCHOOL DATA: St. Vincent High School, located in Perryville in Perry County, has an enrollment of 234 students.

TARGET GROUP OBJECTIVES:

Teachers observed a student need to listen more effectively and to organize their study habits. The stated objective was that 80 percent of the students in the ninth and tenth grades would increase their scores by at least 50 percent between pretests and posttests on a standardized listening test.

METHODS AND MATERIALS USED:

Title IV B funds were used to purchase the following; *"Listening and Note Making Skills"* from Social Studies School Service; *"How to Survive in School: Notetaking and Outlining Skills"* from Guidance Associates; *"Effective Listening"* from Lansford Publishing Co., Inc.; and *"Listening Skills: How to Be an Active Listener"* from The Center for Humanities, Inc. At least two 20-minute periods per week were devoted to the development of effective study skills among the targeted students.

RESULTS:

Freshmen Government students demonstrated improved Listening/Study Skills through improved notetaking. Students worked at editing the material to which they were exposed rather than writing down all the words that they heard. Sophomore World History students scored consistently higher on exams as the program continued. Mr. Greg Gillis, a teacher at St. Vincent stated that *"I found 'How to Survive in School: Notetaking and Outlining Skills,' a sound filmstrip program, to be outstanding."*

This school gave its Title IV B Project in Listening/Study Skills a rating of "8" for freshment Government students and a rating of "6" for sophomore World History students.

Additional information, specific materials used, further clarification, and details concerning adoption of the above-mentioned project is available from Project PEP, CEMREL, Inc., 3120 59th Street, St. Louis, MO 63139. Telephone: (314) 781 2900.

TARGET TOPIC: Library Skills (Reference Materials)

GRADE LEVEL: 9-12

TARGET SIZE: 160

TYPE OF SCHOOL: 9-12

NAME OF SCHOOL: Springfield Catholic High School
601 South Jefferson
Springfield, MO 65806

CONTACT PERSON(S): Sister Mary Jane Slaney, Librarian
Telephone No.: (417) 865-2897

SCHOOL DATA: Springfield Catholic High School is located in Springfield in Greene County and has an enrollment of 160 students.

TARGET GROUP OBJECTIVES:

The librarian,in consultation with the administration and the teaching faculty, identified a need for supplementary materials in the areas of music, science, and social studies. Reference materials were viewed as most needed. The stated objective was that students and faculty in music, science, and social studies classes would increase their use of library materials.

METHODS AND MATERIALS USED:

Title IV B funds were used to purchase reference books and records. Reference books on sports and hobbies were purchased from Outdoor Universal Training. Reference books on science, math, and social studies were purchased from Barnes and Noble; and book and record sets on music were purchased from Wingert-Jones Music, Inc. Books and records were used by students as a result of specific assignments by instructors and were also available for students to browse and/or check out as they needed them.

RESULTS:

Greater use was made of library reference materials. The library circulation of social studies reference materials tripled over the previous year.

This school gave its Title IV B Project in Library Reference Materials a rating of "8."

Additional information, specific materials used, further clarification, and details concerning adoption of the above-mentioned project is available from Project PEP, CEMREL, Inc., 3120 59th Street, St. Louis, MO 63139. Telephone: (314) 781 2900.

TARGET TOPIC: Music

GRADE LEVEL: 1-8

TARGET SIZE: 95

TYPE OF SCHOOL: 1-8

NAME OF SCHOOL: Sacred Heart School
Route 1, Box 119
Rich Fountain, MO 65035

CONTACT PERSON(S): Linda K. Neuner, Teacher
Sister Flavia Buersmeyer, Principal
Telephone No.: (314) 744-5898

SCHOOL DATA: Sacred Heart School, located in rural Osage County, serves 95 students in grades 1-8.

TARGET GROUP OBJECTIVES:

The students in this school had received little instruction in music in the past. Parents, teachers and administrators were concerned about this deprivation and decided to use Title IV B benefits for the music program. The objective was for all students in Grades 1-8 to acquire a greater appreciation of music and basic knowledge of rhythm and notation by the spring of 1982. A specific goal was for students to acquire the ability to apply this knowledge to an instrument and be able to perform before an audience.

METHODS AND MATERIALS USED:

Title IV B benefits included a *"15 Chord Chromaharp"* with case and music selection from Rhythm Band; soprano recorders from Sweet Pipes, Inc.; and *"Melodee Bells"* from Gamble Music Company. Charts, rhythm instruments and wind instruments were used by each classroom teacher at least 90 minutes per week for music instruction.

RESULTS:

Students in grades 3 - 8 performed before audiences on at least two occasions. Students in Grades 7-8 attended a Diocesan Music Enrichment Day and played their instruments there.

Sacred Heart School rated the success of its Music Target Group at "8" and noted that the students showed increased motivation and awareness of the need to practice, to achieve a goal, as well as to improve performance skills.

Additional information, specific materials used, further clarification, and details concerning adoption of the above-mentioned project is available from Project PEP, CEMREL, Inc., 3120 59th Street, St. Louis, MO 63139. Telephone: (314) 781 2900.

TARGET TOPIC: Music

GRADE LEVEL: 4-8

TARGET SIZE: 70

TYPE OF SCHOOL: K-8

NAME OF SCHOOL: St. Peter-St. Cletus
222 Jackson Street
St. Charles, MO 63301

CONTACT PERSON(S): Sister Gail Buckman, Band Director
Sister Kathleen Koenen, Principal
Telephone No.: (314) 724-2059

SCHOOL DATA: St. Peter-St. Cletus School, located in St. Charles County, serves an enrollment of 450 students.

TARGET GROUP OBJECTIVES:

The band director noted that students in the instrumental department were weak in rhythmical sight reading and transferral of rhythmic patterns to live performance. The objective was set for 50 percent of the instrumental students in grades 4 - 8 to be able to sight read the first 20 tapes in the Intermediate level with a 90 percent accuracy.

METHODS AND MATERIALS USED:

A *"TAP Master (Teacher Auxiliary Unit) Set of Intermediate Tapes"* and a *"Set of Advanced Tapes"* plus several guide books were acquired from Temporal Acuity Products, Inc. These materials were used only weekly by each student in a 15-minute private session on the *"TAP Master"* or *"Auxiliary Unit."*

RESULTS:

This Target Group Project was rated as highly successful because 50 percent of the students demonstrated their ability to sight read a designated page on the *"TAP Master"* with 90 percent accuracy while the teacher monitored on the *"Auxiliary Unit."*

This school gave its Title IV B Project in Music a rating of "8."

Additional information, specific materials used, further clarification, and details concerning adoption of the above-mentioned project is available from Project PEP, CEMREL, Inc., 3120 59th Street, St. Louis, MO 63139. Telephone: (314) 781 3900.

TARGET TOPIC: Map Skills

GRADE LEVEL: 3 and 4

TARGET SIZE: 35

TYPE OF SCHOOL: 1-8

NAME OF SCHOOL: St. Andrew
Box L
Tipton, MO 65081

CONTACT PERSON(S): Barbara Falotico, Principal
Telephone No. (816) 433-2232

SCHOOL DATA: St. Andrew School, located in Tipton in Moniteau County, is an elementary school with an enrollment of 119 students.

TARGET GROUP OBJECTIVES:

Achievement test scores indicated a weakness among intermediate level students in the area of map skills. The stated objective was that 80 percent of the targeted students (grades 3 and 4) would show at least teacher-stipulated grade-level mastery on a posttest on map skills in the spring of 1982.

METHODS AND MATERIALS USED:

Title IV B funds were used to purchase standard packages of *"U.S. Colored Outline Desk Maps"* from the George F. Cram Co., Inc. Transparencies were also purchased. With these materials, map skills were taught at least twice a week. Students were encouraged to develop their skills further by making their own maps.

RESULTS:

On a pretest of map skills 94 percent of the class scored below 26 percent accuracy. On the posttest, all of the students scored above the pretest level and 75 percent of the students scored 70 percent accuracy or better.

This school gave its Title IV B Project in Map Skills a rating of "8."

Additional information, specific materials used, further clarification, and details concerning adoption of the above-mentioned project is available from Project PEP, CEMREL, Inc., 3120 59th Street, St. Louis, MO 63139. Telephone: (314) 781 2900.

TARGET TOPIC: Map Skills

GRADE LEVEL: 6

TARGET SIZE: 35

TYPE OF SCHOOL: K-8

NAME OF SCHOOL: St. Mary's Cathedral School
210 S. Sprigg
Cape Girardeau, MO 63701

CONTACT PERSON(S): Sister Jennette Fennewald, Principal
Telephone No.: (314) 335-3840

SCHOOL DATA: St. Mary's Cathedral School, located in Cape Girardeau City and County, is an elementary school with an enrollment of 239 students.

TARGET GROUP OBJECTIVES:

A teacher-made pretest indicated that only 15 percent of the students in the sixth-grade class were able to list the seven continents and major bodies of water. SRA test scores indicated that the mean percentile rank of the sixth graders in social studies was 68. The stated objective was that by the end of the school year 80 percent of the sixth-grade class would be able to label the seven continents, major bodies of water, and 15 teacher-selected countries and that 85 percent of the class would increase in percentile rank in social studies.

METHODS AND MATERIALS USED:

Title IV B funds were used to purchase maps and atlases. Reference atlases for individual students and wall maps were obtained from Nystrom. The use of student atlases and wall maps were incorporated into the sixth-grade World Studies curriculum. Map skills, basic geographical locations, historical information, current events, and visual relationships were studied through the use of individual student atlases. Individual outline maps, textbook materials, and teacher input were integrated to give students a well-rounded study of various areas of the world.

RESULTS:

On the posttest, 89 percent of the sixth graders were able to label the seven continents, major bodies of water, and 15 selected countries. More importantly to the teacher, students became familiar with maps, legends, scales of miles, and general information which is not included in the usual text coverage.

This school gave its Title IV B Project in map skills a rating of "10."

Additional information, specific materials used, further clarification, and details concerning adoption of the above-mentioned project is available from Project PEP, CEMREL, Inc., 3120 59th Street, St. Louis, MO 63139. Telephone: (314) 781 2900.

TARGET TOPIC: Computer (Mathematics, Computer Assisted Instruction)

GRADE LEVEL: 8

TARGET SIZE: 54

TYPE OF SCHOOL: 1-8

NAME OF SCHOOL: All Saints School
McMenamy Road
St. Peters, MO 63376

CONTACT PERSON(S): Sister Lillian Diermann, Principal
Telephone No.: (314) 278-1477

SCHOOL DATA: All Saints School in St. Peters is located in St. Charles County and serves 495 students in grades 1-8.

TARGET GROUP OBJECTIVES:

All Saints School felt it was paramount that all students be introduced to microcomputers. While the entire student body was to have an opportunity to use the microcomputer, the grade eight students were the proposed Target Group. The objective was set for 75 percent of the eighth-grade students to pass the software K-8 Math Program test that accompanies the software instructional program.

METHODS AND MATERIALS USED:

The eighth-grade students were assigned to use the computer intensively, at least three times weekly, and worked on the Radio Shack *"K-8 Math Program"* to reach the Target Group Objective. As an enrichment to the regular curriculum, the Target Group students also used *"Volume I of the I.Q. Builder"* from Radio Shack to improve general knowledge and information.

RESULTS:

At least 75 percent of the Target Group passed the software test that accompanies the *"K-8 Math Program"* from Radio Shack. In addition, the Target Group students were able to finish most of *"Volume I of the I.Q. Builder"* program.

This school gave its Title IV B Computer (Mathematics, Computer Assisted Instruction) a rating of "10."

Additional information, specific materials used, further clarification, and details concerning adoption of the above-mentioned project is available from Project PEP, CEMREL, Inc., 3120 59th Street, St. Louis, MO 63139. Telephone: (314) 781 2900.

TARGET TOPIC: Computer Science (Programming)

GRADE LEVEL: Computer Science Students

TARGET SIZE: 60

TYPE OF SCHOOL: 9-12

NAME OF SCHOOL: St. Dominic High School
351 San Jose Drive
O'Fallon, MO 63366

CONTACT PERSON(S): Sister Jeanne Margaret, Librarian *or*
Joe Haug, Teacher
Telephone No.: (314) 441-6040

SCHOOL DATA: St. Dominic High School in O'Fallon is located in St. Charles County and serves 663 students in grades 9-12.

TARGET GROUP OBJECTIVES:

The teachers at St. Dominic High School believed that more *"hands-on"* experience at the computer would result in improved student ability to write and run programs correctly. The goal was set for 90 percent of the targeted students (an increase of five percent over the previous year) to be able to write and run computer programs correctly. The teacher also set a goal for 90 percent of the students to score 70 percent or above on teacher-prepared tests.

METHODS AND MATERIALS USED:

St. Dominic High School purchased two additional computers and a line printer with Title IV B benefits. Students in the computer classes had at least one hour and 15 minutes "hands-on" experience with the computer per week, writing and running programs.

RESULTS:

The teacher reported that 98 percent of the students passed the course and 80 percent passed the final computer literacy test - with 50 percent scoring 90 or above.

The teacher gave this Target Group project a rating of "9."

Additional information, specific materials used, further clarification, and details concerning adoption of the above-mentioned project is available from Project PEP, CEMREL, Inc., 3120 59th Street, St. Louis, MO 63139. Telephone: (314) 781 2900.

TARGET TOPIC: Health

GRADE LEVEL: 1-8

TARGET SIZE: 30

TYPE OF SCHOOL: Special 1-8

NAME OF SCHOOL: Gillis Home for Children
8150 Wornall Road
Kansas City, MO 64114

CONTACT PERSON(S): Barbara O'Toole, Teacher
Telephone No. (816) 363-1414

SCHOOL DATA: Gillis Home for Children, located in Kansas City and Jackson County, is a special school for psychiatric referrals (emotional disorders) and serves students in grades 1-8.

TARGET GROUP OBJECTIVES:

All students placed in the Gillis Home for Children were psychiatric referrals to the school. Teachers observed that these students had very little knowledge about the effects of diet on their bodies. The stated objective was to increase student awareness of a balanced diet and its benefits to their overall health by having at least 90 percent of the students to identify the four basic food groups and plan a balanced menu for a day, including breakfast, lunch, and dinner.

METHODS AND MATERIALS USED:

Title IV B funds were used to purchase supplementary science books, tapes, and filmstrips. Filmstrips on *"A Healthy You"* and *"Good Health"* by Learning Tree Filmstrips were purchased. *"Nutrition for You"* by Educational Activities, *"The Human Body,"* and *"Beginning Health and Nutrition"* by Rio Grande, and other supplemental reading materials were obtained with Title IV B funds. Teachers used the supplementary materials to reinforce the health science concepts being taught. Teachers conducted small group activities once a week for 30 minutes using either demonstrations, experiments, or discussion groups to teach the concepts.

RESULTS:

From pretests to posttests, students gained 48 percent in their ability to identify the four basic food groups and to plan a balanced menu.

This school gave its Title IV B Project in Health a rating of "10."

Additional information, specific materials used, further clarification, and details concerning adoption of the above-mentioned project is available from Project PEP, CEMREL, Inc., 3120 59th Street, St. Louis, MO 63139. Telephone: (314) 781 2900.

TARGET TOPIC: Research Skills ("At Large" Category)

GRADE LEVEL: 2-10

TARGET SIZE: 41

TYPE OF SCHOOL: Special School for children with diagnosed specific language disability.

NAME OF SCHOOL: Churchill School
7501 Maryland Avenue
Clayton, MO 63105

CONTACT PERSON(S): Sandra K. Gilligan, Director
Jenny Hyde, Social Studies Supervisor
Telephone No.: (314) 721-1224

SCHOOL DATA: Churchill School is located in Clayton, St. Louis County, and serves 41 children with diagnosed specific language disabilities.

TARGET GROUP OBJECTIVES:

Teachers identified the need for students to master basic research skills in order to return to a traditional educational setting. The objective was for each student in the school to be able to research a topic and prepare a written research report.

METHODS AND MATERIALS USED:

Title IV B benefits included student atlases, maps, and globes from Follett; the *"Hammond Citation World Atlas"* and *"American History Atlas"* from the Cram Company; the *"Hammond Almanac," "Hammond Large Type World Atlas," "Reversible Beginner Wall Maps,"* and *"Comparative World Atlas"* from the Olson Library Service; and the *"Young People's Science Dictionary"* and the *"Big Blue Marble Atlas"* from Children's Press.

These resource books were divided into parts as teaching units and used at least three times each week during Social Studies classes.

RESULTS:

Teachers rated the Target Group as highly successful and, in addition, stated that 90 percent of the group now demonstrate a knowledge of the formats, uses for information, and reporting skills.

This school gave its Title IV B Project in Research Skills a rating of "10."

Additional information, specific materials used, further clarification, and details concerning adoption of the above-mentioned project is available from Project PEP, CEMREL, Inc., 3120 59th Street, St. Louis, MO 63139. Telephone: (314) 781 2900.

TARGET TOPIC: English as a Second Language ("At Large" Category)

GRADE LEVEL: High School

TARGET SIZE: 45

TYPE OF SCHOOL: 9-12

NAME OF SCHOOL: McAuley High School
902 Pearl Street
Joplin, MO 64801

CONTACT PERSON(S): Eileen Aga, Librarian
Sister Mary Norbert Flesch, Principal
Telephone No.: (417) 624-9320

SCHOOL DATA: McAuley High School is located in Joplin, in Jasper County, and serves 190 students in grades 9-12.

TARGET GROUP OBJECTIVES:

The goal of the English language program for the Vietnamese students enrolled in McAuley High School, was to have at least 75 percent of the 45 bilingual students achieve one year's growth in English language usage.

METHODS AND MATERIALS USED:

Bilingual students were assigned on an individualized basis, to complete listening activities. The students listened to records that focused on teaching vocabulary in context and reinforcing listening comprehension. Records used were acquired from the Listening Library, Inc.; the *"Audio-Lingual English Series"* by Fearon Publishers; and *"Listen-Along Units"* from Troll Associates.

RESULTS:

The success of this Target Group exceeded proposed goals and was rated as very successful by the school. SRA Achievement Tests showed that 90 percent of the Vietnamese students increased their scores in English language usage by at least two grade levels, rather than the one year of growth the school had proposed in the area of English language usage.

This school gave its Title IV B Project in English as a Second Language a rating of "9."

Additional information, specific materials used, further clarification, and details concerning adoption of the above-mentioned project is available from Project PEP, CEMREL, Inc., 3120 59th Street, St. Louis, MO 63139. Telephone: (314) 781 2900.

PART II

PROJECT STATISTICS

The second section of the *Trailblazers* provides statistical data on the growth of Project PEP Title IV-B and its status through the 1981-'82 school year with some data on the upcoming year.

In the report to Washington in 1977-'78, the Missouri Department of Education reported that 13,000 nonpublic school students participated in Title IV B benefits. The table on page 44 indicates the change that has occurred since the "bypass" has been invoked. The *Trailblazers* '81-'82 reports on 453 schools serving 111,017 students and also provides some data on the '82-'83 school year.

In 1981-'82, 81 of the participating schools were classified as secondary, teaching grade levels 9, 10, 11, and/or 12 in their patterns of organization with an enrollment of 33,010 students. There were 29 different patterns of organization among the 453 participant schools; however, K-8 is the most frequently found pattern of organization at the elementary level and 9-12 at the secondary.

Eighty-five percent of the student participants are enrolled in Catholic schools which represent 77 percent of the schools. Thirteen percent are Lutheran schools and the other 10 percent are representative of five different denominational or religious groups or are independent and/or special purpose schools.

The map of Missouri (page 48) shows how the PEP Title IV-B staff has divided the state into six service regions. All data received from schools in a particular region are filed into colored folders which correspond to the color designation assigned to that region, i.e., data for St. Joachim School, Old Mines, Washington County, Missouri, within the St. Louis Archdiocese, are filed in an orange folder.

PROJECT PEP: TITLE IV B - 1982-83 SCHOOL YEAR PARTICIPATION

Status of Missouri's Nonpublic Schools

REGION	NPS	TEACHERS	STUDENTS	AFFILIATION							
				CATHOLIC		LUTHERAN		PAROCHIAL		INDEPENDENT	
				Schools	Enrolled	Schools	Enrolled	Schools	Enrolled	Schools	Enrolled
10 St. Louis City*	74	1,117	20,442	54	17,273	12	1,874	3	702	5	593
20 St. Louis County *	146	2,545	43,268	110	37,311	16	4,510	5	607	15	840
30 *St. Louis Archdiocese	69	748	15,253	57	13,779	11	1,439	1	35		
40 Jefferson City Diocese	53	496	8,376	41	6,952	7	688	1	127	5	609
50 Springfield/Cape Girardeau Diocese	32	234	4,044	25	3,382	6	595	1	67		
60 Kansas City/ St. Joseph Diocese	79	1,296	18,298	54	15,224	8	945	3	685	13	1,444
TOTALS	453	6,436	109,681	341	93,921	60	10,051	14	2,223	38	3,486

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Project PEP: Title IV B

TABLE OF COMPARISONS (6/1/82)

Status of Missouri's Nonpublic Schools

CATEGORY	'78-79	1979-80	1980-81	1981-82	1982-83
# of Participating Schools	352	388	430	453	453
# of Nonpublic Students	99,804	103,164	110,234	111,017	109,681
Average School Size	284	266	256	245	242
# of Schools with Handicapped	95	157	191	228	247
# of Handicapped Students	2,431	2,547	2,971	4,147	4,601
Average # of Handicapped Students	26	16	16	18	19
# of Small Schools	57	86	101	122	121
Small School Enrollment	3,611	5,763	6,430	7,675	8,272
Average Size Small School	63	67	64	63	68
Secondary Schools (9-12 only)	56	57	72	81	62
Secondary Enrollment	27,108	27,223	32,384	33,010	28,012
Average Size Secondary School	484	478	450	408	452
Elementary Schools (K-8 only)	296	331	358	372	334
Elementary Enrollment	72,696	75,941	77,850	77,611	74,946
Average Size Elementary School	246	229	217	209	224
OTHER PATTERNS OF ORGANIZATION					
# of Schools					57
Enrollment					6,723
Average Size					118
Schools by Affiliation:					
Catholic Schools	292	311	330	337	341
Lutheran Schools	35	44	51	60	60
Other Parochial Schools	2	2	7	11	14
Private Special Purpose	10	15	25	24	24
Independent Schools	13	16	17	18	14
TOTAL	352	388	430	453	453

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Project PEP Title IV B

Status of Nonpublic Schools of Missouri
School Size: School Year 1982-83

Range of Enrollment	10	20	30	40	50	60	Total
1 - 100	13	24	23	21	15	25	121
101 - 200	18	30	18	22	12	10	100
201 - 300	22	41	12	3	3	23	104
301 - 400	8	11	2	4	2	8	35
401 - 500	6	21	8	2		9	46
501 - 600	4	7	2			2	15
601 - 700		3	4				7
701 - 800		5				1	6
801 - 900		2		1		1	4
901 - 1000	2	1					3
1001 - 2000	1	1					2
TOTALS	74	146	69	53	32	79	453

PROJECT PEP TITLE IV B

Status of Nonpublic Schools of Missouri
Small Schools with 100 or Fewer Students
School Year 1982-83

Range of Enrollment	10	20	30	40	50	60	Total
1 - 10	2			1	1		4
11 - 20		3				2	5
21 - 30		4	2	2			8
31 - 40	1	2	2	1		1	7
41 - 50		3	4	1	1	8	17
51 - 60		3	4	2	3	4	16
61 - 70	1	3	4	3	5	1	17
71 - 80	4	3	1	4		4	16
81 - 90	4	1	3	3	3	1	15
91 - 99		2	3	4	2	3	14
Exactly 100	1					1	2
TOTALS	13	24	23	21	15	25	121

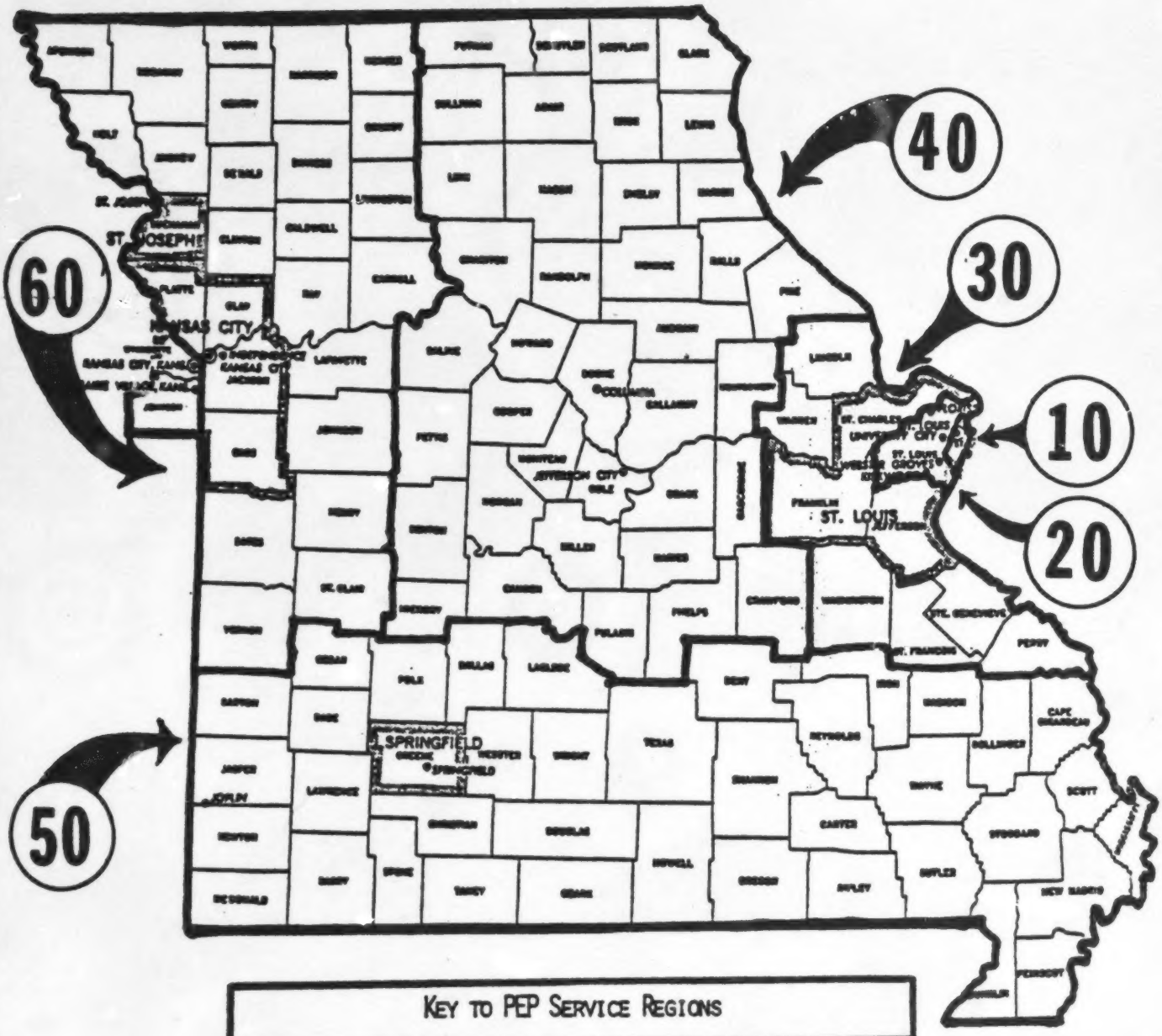
STATUS REPORT FOR 1982-83 SCHOOL YEAR PARTICIPATION

Project PEP: Title IV B
Comparison of Target Topics (6/1/82)

Missouri's Nonpublic Schools

	1978-79		1979-80		1980-81		1981-82		1982-83		
TOPIC	Rank	%	Rank	%	Rank	%	Rank	%	Rank	#	%
Reading Skills	1st	29	1st	19	1st	15	1st	14	1st	92	14
Math Skills	2nd	14	5th	7	4th	10	2nd	13	2nd	77	11
Microcomputer Use					11th	3	8th	4	3rd	67	10
Reading Enrichment			9th	4	2nd	10	4th	9	4th	60	9
Science Skills	3rd	11	3rd	9	3rd	10	3rd	10	5th	53	8
Library Skills					8th	4	6th	7	6th	52	8
Language Arts Skills	4th	10	6th	7	6th	9	5th	8	7th	45	7
Social Studies Skills	9th	3	8th	6	5th	9	7th	7	8th	33	5
Reference/Research/ Study Skills	5th	9	4th	8	7th	7	10th	4	9th	31	5
Music Education	11th	1					11th	4	10th	26	4
Developmental Skills									11th	25	4
Map Skills	7th	4	7th	6	10th	3	9th	4	12th	23	4
Listening Skills							13th	2	13th	17	3
Vocational/Career Ed	8th	3	10th	4					14th	12	2
Arts Education	12th	1	11th	4	9th	3	12th	2	15th	12	2
Media	10th	2					14th	2	16th	10	2
Health			12th	3	12th	2	15th	2	17th	7	1
Gifted									18th	3	
Foreign Language									19th	3	
Multicultural									20th	3	
Counseling/Guidance	6th	5	2nd	16	Dropped as eligible expenditure						
TOTAL Groups	*408*		*610*		*640*		*664*		*651*		
TOTAL Topics	*32*		*39*		*44*		*46*		*37*		

Project PEP Title IV-B Service Regions



Key to PEP Service Regions

Region #	Geographically Includes/Corresponds To	Color Designation
10	City of St. Louis	Blue
20	County of St. Louis	Green
30	Remainder of St. Louis Archdiocese	Orange
40	Jefferson City Diocese	Red
50	Springfield/Cape Girardeau Diocese	White
60	Kansas City/St. Joseph Diocese	Yellow